

**Amendment to the Abstract:**

The Abstract has been amended. A revised Abstract is attached.

**ABSTRACT**

A method for manufacturing a speaker diaphragm used for a range of audio equipment, a speaker diaphragm made using this manufacturing method, and a speaker employing such diaphragm. This manufacturing method for a speaker diaphragm offers good productivity, preventing deviation in wettability and heat deformation of speaker diaphragms in plasma treatment, and also offers a speaker with good input power durability. A meshed etching tunnel (2) made of aluminum is disposed inside a cylindrical quartz reactive chamber (1), and speaker diaphragms (4) are aligned inside the tunnel at a certain interval. Opposing electrodes (5) are disposed outside the reactive chamber (1). Plasma is applied at low temperature to prevent heat deformation. Uniform wettability is also assured by the use of the meshed etching tunnel (2), achieving high productivity. Uniform wettability further stabilizes bonding and improves bonding strength of the speaker diaphragm (4) onto the voice coil (18) and etching (19a), offering a speaker with improved input power durability. A meshed etching tunnel made of aluminum is disposed inside a cylindrical quartz reactive chamber, and speaker diaphragms are aligned inside the tunnel at a certain interval. Opposing electrodes are disposed outside the reactive chamber. Plasma is applied at low temperature to prevent heat deformation. Uniform wettability is also assured by the use of the meshed etching tunnel, achieving high productivity. Uniform wettability further stabilizes bonding and improves bonding strength of the

speaker diaphragm onto the voice coil and edge, offering a speaker with improved input power durability.

Respectfully submitted,

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LEA/fp

Attachment: Abstract  
Marked-up Copy of Substitute Specification  
Substitute Specification

Dated: July 3, 2003

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The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. **18-0350** of any fees associated with this communication.

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